THE NATIONAL INSTITUTE OF ENGINEERING

ESTD : 1946

2020 Outcome Based EDUCATION

ACADEMIC REGULATIONS & CURRICULUM

POST - GRADUATE PROGRAMMES (2020-2022)

PREFACE

Dear Students,

The National Institute of Engineering (NIE) is a premier technical institution of the country started seventy four years ago. Right from its inception, focus at NIE is to deliver value based education with academically well qualified faculty and infrastructure. NIE now offers seven UG and twelve PG programmes. Research activities undertaken at the institute have brought laurels and given unique status to our UG and PG programmes. The alumni of NIE have achieved excellence in their chosen professions and their accomplishments are of immense value to the institute. It is a matter of pride that NIE continues to be the preferred destination for students to pursue an engineering degree.

In the year 2007, NIE was granted academic autonomy by Visvesvaraya Technological University (VTU), Belagavi. From then onwards our prime focus is on developing and delivering a curriculum which caters to the needs of various stakeholders. The curriculum has unique features enabling students to develop critical thinking, solve problems, analyse socially relevant issues, etc. The academic cycle designed on the basis of Outcome Based Education (OBE) strongly emphasizes continuous improvement and this has made our curriculum responsive to current requirements. Five UG programmes and three PG programmes were recently accredited under Tier-1 of the National Board of Accreditation (NBA), New Delhi. NIE has been accredited by National Assessment and Accreditation Council (NAAC) with the grade of B+ in the first cycle valid for a period of 5 years from 04.02.2020. NIE's progress towards further academic excellence is visualized in the realms of continuous improvement with increase in physical and intellectual infrastructure.

The curriculum at NIE has been developed by experts from academia and industry and it has unique features to enhance problem solving skills apart from academic enrichment. The curriculum of UG programmes has been thoroughly revised as per AICTE guidelines and we have incorporated unique features such as competency training, industry driven elective & long internship. The curriculum is designed in a way so as to impart engineering education in a holistic way.

I hope you will have a fruitful stay at NIE.

Dr. K. Raghuveer   January 2021
Principal

Dear Students,

It gives me great pleasure to welcome you to The National Institute of Engineering (NIE) where academics and activities never cease as students are groomed in the fields of engineering and technology. Our dedicated team of highly talented faculty members is always trying to strive for academic excellence and overall personality development. The major emphasis of imparting training at NIE is to encourage enquiry and innovation among our students and lay the strong foundation for a future where they are able to face global challenges in a rapidly-changing scenario. Efforts are being made to design the curriculum based on Bloom's Taxonomy framework, to meet the challenges of the current technical education.

NIE is making sincere efforts in meeting the global standards through new formats of National Board of Accreditation, New Delhi and timely World Bank-MHRD initiative TEQIP (Technical Education Quality Improvement Program). A new curriculum based on AICTE model curriculum and guidelines of VTU, is being devised, starting from next academic year.

We will make a genuine attempt in assisting you during the times of your trials and tribulations. You are exposed to the world of Engineering through a unique three week Induction Programme. We have also set up a Student Mentoring Programme (SMP) from the academic year 2016, through the voluntary efforts of the 2nd year students of your branch and our faculty members. You can approach them at any time during your stay at the NIE campus to address any of your concerns regarding either academic matters or life in the campus. In case of special needs, you are also advised to seek the help of the Student Welfare Officer or me.

I sincerely hope that your academic pursuit in NIE will be fruitful and enjoyable in every aspect Wishing you the very best.

Dr. M.S. Ganesh Prasad   January 2021
Dean (Academic Affairs)

REGULATIONS

ACADEMIC REGULATIONS

1.0   TITLE AND COMMENCEMENT:

1.1.   These Regulations shall be called "The National Institute of Engineering, Mysuru, (NIE) Regulations under Visvesvaraya Technological University, Belagavi, Autonomous College Statutes - 2006 for Academic Autonomy – 2016 for Post Graduate programmes".

1.2.   This set of Regulations, on approval by the Governing Body, shall super cede all the corresponding earlier sets of regulations of the Post Graduate Degree programmes of VTU along with all the amendments thereto, and shall be binding on all students undergoing the Post Graduate Degree Programme(s) (Credit System) at NIE, Mysuru. This set of Regulations may evolve and get refined or updated or amended or modified through appropriate approvals from the Academic Council and/or Governing Body from time to time, and shall be binding on all parties concerned, including the Students, Faculty and the Staff of Departments. The decision of the Governing Body shall be final and binding.

1.3.   The provisions contained in this set of Regulations govern the policies and procedures on the Registration of students, imparting instructions of course, conduct of the examination and evaluation and certification of students' performance and all amendments hereby leading to the award of the said Degree(s).

1.4.   The Regulations shall come into effect from the date of obtaining approval from the Governing Body of the College.

2.0   ABBREVIATIONS:

a)   "Academic Autonomy" means freedom to the College in all aspects of conducting its academic programmes, granted by the University for promoting excellence.

b)   "Autonomous College" means The National Institute of Engineering, Mysuru, designated as an autonomous college by the University, as per the VTU Autonomous College Statute - 2006.

c)   "Commission" means University Grants Commission (UGC).

d)   Council" means All India Council for Technical Education (AICTE).

e)   "Statute" means VTU Autonomous College Statute - 2006.

f)   "University" means Visvesvaraya Technological University (VTU), Belagavi.

g)   "Institute" or "College" means The National Institute of Engineering, Mysuru (NIE).

3.0   ACADEMIC CALENDAR:

3.1.   The total duration of an academic programme shall be the same as that followed by the University. i.e., two years for M.Tech. and M.C.A. The maximum period which a student can take to complete a full time academic programme shall also be similar to that prescribed by the University, viz., double the nominal duration prescribed for the programme, i.e., four years for M.Tech. and M.C.A.

3.2. Each academic year is split into two semesters. The term of the semester for teaching M.C.A is 16 weeks and for M.Tech. it is 18 weeks. Generally, each semester is of 20 weeks duration which will include the period for teaching, examination and announcement of results. Typically, odd semester is from August to December and even semester is from January to May. In case of requirement under special circumstances, a Makeup Term of required duration as approved by the Academic Council may be offered in between even and odd semesters. The summer term, whenever offered, may be limited only to teach value added/add-on courses and/or courses as approved by the Principal.

3.3. In general, the academic schedule of a semester includes the following:
- ➢ Date of starting semester.
- ➢ Course registration period.
- ➢ Dates of events of Continuous Internal Evaluation (CIE).
- ➢ Date of beginning of Semester End Examination (SEE).
- ➢ Date of announcement of results.
- ➢ Inter semester vacation period, if provided.
- ➢ Last working day of the semester

This academic schedule, shall be prepared by the Dean (Academic Affairs) in consultation with the Principal, approved by the Academic Council (AC) and shall be announced at least one week before the beginning of the semester.

3.4. In case of an eventuality of losing a teaching day due to unavoidable reasons, such a loss shall be made up by having a teaching / laboratory / tutorial session on a suitable day by adhering to the time table of the day which was lost.

4.0 ELIGIBILITY FOR ADMISSION:

4.1 Postgraduate Programmes:

a) **Master of Technology Programmes:**

Admission to First semester Master of Technology (M.Tech.) post graduate degree programme shall be open to the candidates who have passed any of the prescribed qualifying examinations of the degree courses recognized by the University for the respective M.Tech. programmes.

In addition to the above, the programme shall be open for candidates who have passed the prescribed Qualifying Examinations as specified for the respective programmes of study with not less than 50% of the marks in aggregate of all the semesters or years of the degree examination (cumulative sum of secured marks of all the semesters or years divided by the sum of the maximum marks). However, in the case of candidates belonging to SC/ST and Category-1, marks shall not be less than 45%.

b) **Master of Computer Applications Programme:**

Admission to First Semester Master of Computer Applications (M.C.A.) is open to the candidates who have passed any of the prescribed degree courses recognized by the University.

In addition to the above, the programme shall be open for the candidates who have passed the Bachelor degree examinations with not less than 50% of the marks in aggregate of all the years of the degree examinations. However, in the case of candidates from Karnataka belonging to SC/ST and Category-1, the aggregate percentage of marks in the qualifying examinations shall not be less than 45%. Provided that the candidate shall have passed Bachelor degree with not less than 50% of marks with Mathematics/ Statistics/ Computer Science/ Computer Programming/ Computer Applications / Business Mathematics/ Business Statistics as one of the optional or electives at degree level. Provided further that in respect of candidate who has studied and passed one of the subjects specified in the first provision in the Pre-University Course with 50% of marks in that subject shall also be considered for admission. However, in the case of candidates belonging to SC/ ST and Category-1, 45% of marks in that subject shall be considered for admission.

4.2   Relevant Government/University orders issued from time to time in this regard shall prevail.

5.0   ADMISSION and FEES:

5.1.   Admission shall be made in accordance with the policy guidelines issued from the Ministry of Higher Education, Council, Government of Karnataka and University from time to time. Seats are reserved for candidates belonging to Scheduled Castes and Scheduled Tribes, physically challenged candidates, children of defense personnel and other categories as per the orders issued by the Govt. of Karnataka.

5.2.   Admission for all postgraduate programmes shall be made through PGCET cell of Govt. of Karnataka or by conducting Institution level test as per the applicable Government/ University notifications issued from time to time.

5.3.   A limited number of admissions are offered to candidates under Management quota, in accordance with the rules applicable for such admission, issued from time to time by Govt. of Karnataka/Council.

5.4.   After admission of a candidate to a programme, if it is found that he/she had in fact not fulfilled all the requirements stipulated in the offer of admission, in any form whatsoever, including possible misinformation etc., the Principal is authorized to cancel the admission of the candidate.

5.5.   The College reserves the right to cancel the admission of any student and ask him/her to discontinue the studies at any stage of their career on the grounds of unsatisfactory academic performance or indiscipline or any misconduct.

5.6.   The decision of the Principal regarding the admissions is final and binding.

5.7.   Candidates must fulfill the medical standards required for admission.

5.8.   Every student of the College shall be associated with the Parent Department offering the degree programme that the student undergoes throughout his/her study period.

5.9. The fee structure as stipulated by Govt. of Karnataka from time to time shall be applicable for all the admitted students.

6.0 PROGRAMME STRUCTURE:

6.1. The overall programme structure for a M.C.A./M.Tech. Degree programme typically consist of the following components:

a) Engineering Mathematics/ Mathematical Foundation.

b) Programme Core Courses.

c) Programme Elective courses.

d) Elective courses:

An elective course can be departmental elective, open elective, MOOC elective, Industry driven elective.

e) Industrial training, Internship, Seminars and Project.

6.2. The Departmental Council (DC) shall discuss and recommend the exact credits offered for the programme for the above components 'a' to 'e', the semester wise distribution among them, as well as the syllabi of all postgraduate programmes offered by the department from time to time before sending the same to the Board of Studies (BoS). The BoS will consider the proposals from the department and make recommendations to the Academic Council (AC) for consideration and approval.

6.3. The minimum Credit Requirement for the M.Tech. is 88 and for M.C.A. is 100.

6.4. Seminar and Project:

a) Seminar topic shall be selected from the emerging technical areas only.

b) Project work / Dissertation of M.Tech./ M.C.A. shall be carried out by the student individually.

7.0 REGISTRATION:

Each student after consulting his/her faculty advisor shall register for the courses in every semester on the days specified for registration.

7.1. A student must register every semester based on the following norms.

a) For M.Tech. a student has to register for a minimum of 20 credits in each semester. The maximum number of credits a student can take in a semester is 33. However, the minimum/ maximum credit limit can be relaxed by the Principal, on specific recommendations of Departmental Council only under exceptional circumstances.

b) For M.C.A. a student has to register for a minimum of 20 credits in each semester. The maximum number of credits a student can take in a semester is 32. However, the minimum/ maximum credit limit can be relaxed by the Principal, on specific recommendations of Departmental Council only under exceptional circumstances.

7.2. For a student to register for some courses he/she may be required to have adequate knowledge about one or many courses which are declared as pre-requisite courses in the earlier semesters. The student is deemed to have satisfied this requirement by satisfying the Clause of minimum attendance (Clause.9.11) in the course(s) which is/are declared as pre-requisite(s). The details of the pre-requisites will be announced by the Departmental Council as a part of the programme curriculum.

7.3. Late registration up to a cutoff date mentioned in the academic calendar is allowed on payment of a penal fee.

7.4. A student will be allowed to register for the next semester only when he/she fulfills the following conditions:

a) Cleared the entire previous semester fees due, if any, to the institute, hostel and library and also has paid all advance deposits of the Institute and hostel for the semester for which he/she is registering.

b) Satisfies all academic requirements, namely the credits earned and minimum CGPA, to continue with the programme. (Clause 9.10)

c) Not restrained from registering due to any specific reason by the college.

7.5. **Registration in Absentia** will be allowed only in exceptional cases at the discretion of Principal after the recommendation of the Departmental Council through the authorized representative of the student.

7.6. **Drop-option**: A student has the option to drop courses until the last date mentioned for the same in the academic calendar corresponding to each academic year. However, the number of credits after dropping one or more courses shall satisfy Clause 7.1.

8.0 WITHDRAWAL FROM THE PROGRAMME:

8.1. **Temporary Withdrawal:**

a) A student who has been admitted to a post graduate degree programme of the college may be permitted to withdraw temporarily, for a period which is an integral multiple of a semester on the grounds of prolonged illness or grave calamity in the family or employment etc., provided that:

(i) The student applies to the College within at least 6 weeks of the commencement of the semester or from the date he/she last attended the classes, whichever is later, stating fully the reasons for such withdrawal together with supporting documents and endorsement of his/her parent/guardian.

(ii) The College is satisfied that, even after counting the expected period of withdrawal, the student has the possibility to complete his/her requirements of the degree within the time limits specified by the University.

(iii) There are no outstanding dues or demands, with the Department/ College/ Hostel/Library, etc.,

(iv) The tuition fees for all the subsequent semesters may be collected in advance based upon the severity of the case, before giving approval for such Temporary Withdrawal, until such time his/her name appears in the student's roll list. However, the fees/charges once paid would not be refunded.

(v) Scholarship holders are bound by the appropriate rules applicable to them.

(vi) The decision of the Principal of the College regarding withdrawal of a Student is final and binding.

b) Normally, a student would be permitted to avail the temporary withdrawal facility as a special case only once during his/her tenure as a student and this withdrawal period shall also be counted for computing the duration of study as specified by the University.

c) If the student has withdrawn from a programme for reasons of employment, when he / she rejoin the programme, he/ she should obtain necessary permission from his/her employer for rejoining. This permission letter has to be submitted at the time of rejoining.

8.2. Permanent Withdrawal:

Any student who withdraws admission before the closing date of admission for the academic session is eligible for the refund of the deposits only. Fees once paid will not be refunded.

Once the admission for the year is closed, the following conditions govern withdrawal of admissions:

a) A student who wants to leave the College for good, will be permitted to do so (and take Transfer Certificate from the College, if needed), only after remitting the tuition fees as applicable for all the remaining semesters and clearing all other dues if any.

b) Those students who have received any scholarship, stipend or other forms of assistance from the College shall repay all such amounts.

c) The decision of the Principal of the College regarding withdrawal of a student is final and binding.

9.0   EVALUATION SYSTEM:

9.1. Each course has its Lecture – Tutorial – Practical (L-T-P) schedule. The credit for each course is based on following:
Lecture: one hour/week is given one credit.
Tutorial/Practical/ Project work: Two hours/ week is given one credit.

9.2. The evaluation of academic performance of a student is done as per Letter grading system. A ten-point Letter grading system is adopted which denotes the level of academic performance. The grade awarded to a student in a theory course shall be based on his/her performance in test, assignment, quiz, tutorial etc. in addition to Semester End Examination.

9.3. The weightage of the components shall be as follows:

Continuous Internal Evaluation (CIE)	Test, Assignment, Quiz, Tutorial etc. (As per Clause 9.5)	50%
Semester End Examination (SEE)	Written or online or practical	50%

9.4. **Grades and Grade Points:**

Absolute grading system shall be adopted as follows:

Grade points scale for Absolute Grading

Level	Out Standing	Excellent	Very Good	Good	Above Average	Average Performance	Fail
Grade	S	A	B	C	D	E	F
Grade points	10	09	08	07	06	04	00
Score (Marks) Range %	$\geq$ 90	80 - 89	70 - 79	60 - 69	55 - 59	$50 - 54$	< 50

For M.Tech (Theory), M.C.A (Theory & Practical):

a) A minimum of 50% of marks has to be secured in CIE for appearing for a theory examination.

b) A minimum of 40% of marks has to be scored in SEE.

c) A minimum of 50% of marks shall be obtained in (CIE+SEE/SET) for passing a theory course or even an integrated course.

d) In a practical course (M.Tech.), the candidate should secure a minimum of 50% in CIE & 50% in SET for passing.

e) A candidate who does not secure minimum marks in CIE and required attendance as per 9.11 shall be awarded 'W' grade. The candidate shall repeat those courses wherein he/she has secured 'W' grade when the course is offered again in any subsequent semester.

f) For Project work minimum passing mark is 'C' grade

Programme	Courses	CIE	SEE/SET	SEE/SET + CIE
M.C.A	For both Theory & Practical Courses	50%	40%	50%
M.Tech.	For Theory Courses	50%	40%	50%
	For Practical Courses	50%	50%	50%

9.5. The letter grade awarded to a student in a practical course is based on a suitable continuous evaluation scheme which the course instructor should evolve with the approval of Departmental Council. The student's performance in every practical class shall be evaluated and this shall have a weightage of 50%. He/she shall be evaluated further by conducting periodical tests and/or Semester End Test (SET) which shall have another 50% weightage. The grades shall be awarded based on these two evaluation components. The minimum passing marks for Practical/Drawing course is 50%.

For Seminar/ Internship/ Project Phase - I only CIE component is there, and evaluation shall be based on two presentations by appropriate Rubrics. For Project Phase - II evaluation is based on CIE (two presentations), evaluation of project report and SEE will be conducted with an external examiner. The grades shall be awarded based on evaluation of CIE, Report Evaluation and SEE.

The minimum passing marks for Practical/ Drawing course is 50% (E Grade).

The minimum passing marks for Seminar/ Internship/ Project Phase - I, Project Phase – II is 60% (C Grade).

9.6.   The course instructor shall make an announcement within one week of the beginning of the semester about blown up syllabus, details of the evaluation scheme which includes distribution amongst various components. This announcement shall be made in both theory and practical course classes. A copy of this announcement should reach the office of Controller of Examinations (CoE).

9.7.   **Description of Grades:**

S grade: This grade stands for Superlative grade which indicates outstanding achievement by the student.

A grade: This grade stands for Excellent performance.

B grade: This grade stands for Very Good performance.

C grade: This grade stands for Good performance.

D grade: This grade stands for Above Average performance.

E grade: This grade stands for Average performance and is the minimum passing grade.
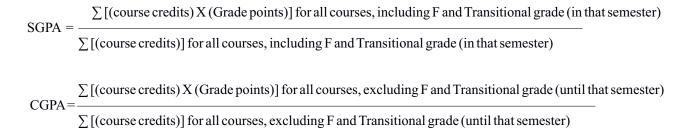
F grade: This grade denotes failure and hence very poor performance. A student who obtains 'F' grade in a course shall repeat that course in a subsequent semester or makeup term exam when it is offered. However, if a student gets 'F' grade in an elective theory course, he/she can register for the same elective or an alternative elective, as recommended by the Faculty Advisor and approved by the Departmental Council to satisfy the credit requirement in subsequent semesters.

I grade: This grade is a transitional grade which denotes incomplete grade. A student having satisfactory attendance and meeting the passing standard of CIE but remained absent from SEE due to illness/ accident/ calamity in the family at the time of Semester End Examination for a course will be awarded this grade. The DC can consider the request of any such student for a make up examination and depending on the merit of the case and in consultation with the course instructor, permit him/her to appear for make up examination. The 'I' grade would be converted into one or the other of the letter grades (S/A/B/C/D/E/F) after the student completes the course requirements. If the student fails to get the minimum passing grade in makeup examination, he/she shall repeat the course in a subsequent semester when it is offered.

X grade: This grade is a transitional grade which denotes incomplete grade. A student having satisfactory attendance and having high CIE rating (>=90%) in a course, but SEE performance is poor, which could result in an overall 'F' grade in the course, will be awarded this grade. The DC can consider the request of any such student for a make-up examination and depending on the merit of the case and in consultation with the course instructor permit him/her to appear for make-up examination. The 'X' grade would be converted into one or the other of the letter grades (S/A/B/C/D/E/F) after the student completes the course requirements.

W grade: This grade is awarded to a student having satisfactory attendance at classes, but withdrawing from a course before the prescribed date in a semester under the advice of the Faculty Advisor. Withdrawal from a course shall be allowed only under exceptional circumstances and has to be recommended by the DC. No withdrawal is permitted after the grades are announced. Further, a candidate having shortage of attendance and/or fail to achieve the minimum requirements in CIE shall also be awarded this grade.

Calculation of SGPA and CGPA:

$$\text{SGPA} = \frac{\sum[(\text{course credits}) \text{ X } (\text{Grade points})] \text{ for all courses, including F and Transitional grade (in that semester)}}{\sum[(\text{course credits})] \text{ for all courses, including F and Transitional grade (in that semester)}}$$

$$\text{CGPA} = \frac{\sum[(\text{course credits}) \text{ X } (\text{Grade points})] \text{ for all courses, excluding F and Transitional grade (until that semester)}}{\sum[(\text{course credits})] \text{ for all courses, excluding F and Transitional grade (until that semester)}}$$

9.8. Process of Evaluation, Announcement and Review of Grades:

a) The evaluation procedure to be adopted by a course instructor shall be announced at the beginning of the semester, so that this procedure will be made known to all the registered students. A copy of this procedure shall be submitted within two weeks of the commencement of the semester to the Chairman of the DC and up on subsequent approval by the DC, it should reach the office of Controller of Examinations (CoE).

b) After the Semester End Examination (SEE), the papers will be evaluated and provisional results are announced. Then, as per the announcement made by Controller of Examinations (CoE) process of "paper seeing" will be arranged for those students who have paid the prescribed fee. During paper seeing, those students who wish to see their evaluated papers can meet the concerned Course Instructor and get clarification from him/her about the marks. The results are finalized after the event of paper seeing.

c) In case, a student has a grievance even after obtaining clarification from the course instructor, he / she can make a written appeal to the respective Chairman of the Departmental Council and request for a review of the grade. The DC shall look into the details and make a recommendation. The recommendation of the DC shall then to be sent to the office of CoE for further processing as per "Examination manual" of the college. The processing fee for such an appeal will be decided by the Academic Council. If the appeal of the student is upheld by the review committee, the fee shall be refunded.

d) **Evaluation of Dissertation Work (Project Work)**

(i) The topic and title of the dissertation shall be chosen by the candidate in consultation with the guide and co-guide if any, during the last fortnight of 2nd Semester. The topic selected should be from the major field of the post graduate studies of the candidate. A brief outlay of the action plan to carry out the dissertation work should be submitted by the candidate during first month of the 3rd semester. This action plan shall be scrutinized by the Departmental Council and subsequently approved.

(ii)   The dissertation work shall be carried out by the candidate independently during 3rd & 4th semester under the guidance of one of the faculty members of the department who is designated as internal guide. If the dissertation work has to be carried out in any industry / Organization outside the College, permission to the effect should be first sought by the candidate. Further, it is mandatory to have a co-guide at industry / organization where work will be carried out. The name of the co-guide has to be specified in the action plan as detailed above.

(iii)   At the end of the 3rd Semester there shall be a mid-term review of the dissertation work. For this purpose, the candidate may be asked to present a seminar where in the action plan submitted earlier vis actual work carried out shall be reviewed and action plan for the remaining part of dissertation work finalized.

(iv)   At the end of the 4th semester, the candidate shall submit 3 copies of report of the dissertation work duly approved by the guide & co-guide. The guide in consultation with Head of the department / PG program coordinator shall prepare a list of three external examiners. This list after being duly approved by the DC shall be sent to CoE along with 3 copies of dissertation work.

(v)   The CoE shall send one copy of the dissertation work to the guide and another copy to one of the external examiners for evaluation. These examiners shall evaluate the dissertation work and send the marks list independently to CoE. The maximum marks for this evaluation is 100 marks. The average of the marks awarded by the two examiners shall be final marks and a candidate shall obtain a minimum of 60% for passing. The minimum passing grade is 'C'.

(vi)   The examiners shall be given not more than three weeks for evaluating the dissertation report. The dissertation work shall not be accepted if external examiner opines that the dissertation work and report are not up to the expected standard and minimum passing marks cannot be awarded. The external examiner can totally reject the report or seek resubmission after incorporating suggested modification. He/she shall specifically quote reasons for rejection. In case he/she recommends for resubmission after modification, he/she shall list out specific areas where modification needs to be done. The resubmitted report in such cases shall be sent to the same external examiner. If he/she does not approve it again, the dissertation work shall be treated as 'rejected'. After the rejection by the first external examiner, the report is sent to another external examiner for evaluation. If he/she also does not approve the work, the candidate shall redo the dissertation work again. In all such cases the candidates shall be free to choose another topic for dissertation under a new guide, after re-registration with prescribed fee.

(vii)   If the dissertation work is approved, the viva-voce examination of the candidate shall be conducted by the external examiner and internal examiner. It is the responsibility of the internal examiner / HoD to contact the external examiner and also the candidate and arrive at a convenient date & time for viva-voce. A copy of these communications shall be sent to CoE.

(viii)   The viva - voce examination shall be carried out for a maximum of 100 marks. The minimum passing marks for this examination is 60% i.e. 60 marks. The minimum passing grade is 'C'. In case, the external examiner pleads his/her inability to conduct the viva- voce examination, substitute appointment shall be made by CoE in consultation with the guide and HoD.

(ix)   The viva- voce marks awarded jointly by the examiners shall be sent to CoE immediately after the conduct of Viva-voce.

9.9.   Make-up Examination:

The "Make-up Term" may be offered during even-odd Semester Vacation, to provide an opportunity for the failed Students to clear the Course. The details are as follows:

a)   A student who has failed in a SEE (Theory/Practical) in the current academic year may register for the "Make-up Term".

b)   The student should have obtained the minimum stipulated marks in CIE in the course(s) for which he/she wishes to register in the "Make-up term'

c)   The student should have obtained minimum required attendance for the corresponding course earlier.

d)   The normal duration of the "Make–up Term" is 4 weeks at the end of Even Semester immediately after the announcement of the Even Semester results.

e)   First two weeks of the "Make-up Term" are to be utilized by the Student for studying, getting clarifications by meeting the Course Instructor and get prepared for the Examination.

f)   Remaining two weeks of the "Make-up Term" are scheduled for conducting the Examinations, evaluation and announcement of the result.

g)   A student can utilize the "Make-Up Term" only once to pass a course. A Student failing in the "Make-Up Term" Examination shall re-register for that course in a subsequent semester as and when the course is offered.

h)   The student shall pay the specified amount of Registration/ Examination fees to appear for the "Make-Up Term" Examination.

i)   The necessary Academic Staff shall be available for Teaching, Counseling and Conducting the Examinations.

Make-up Examination [X and I grades]:

The Make Up Examination facility would be available to students who may have missed to attend the SEE of one or more courses in a semester for valid reasons and given the 'I' grade; Also, students having the 'X' grade shall also be eligible. This facility can be availed by P.G. students only twice during their programme. The make up examination would be held as per

dates notified by the CoE. Make up examination could be held at any time in the semester with the approval of the Principal. In all these cases, the standard of SEE would be the same as the regular SEE.

All the 'I' and 'X' grades awarded to the students would be converted within two days of the respective make-up examinations to appropriate letter grades. Any outstanding 'I' and 'X' grades two days after the last scheduled make-up examination shall be automatically converted to 'F' grade.

9.10. Vertical Mobility Requirements for M.Tech. and M.C.A.:

a) A student shall register for a minimum of 20 credits in each semester except in 3rd semester M.Tech. / M.C.A.

b) Earned credits mean those credits for which the student would have obtained S / A / B / C / D / E grade.

c) The regular semester load is declared by the Departments for each PG programme at the beginning of every semester. Hence the yearly academic load is the sum of the regular semester loads of odd and even semester.

d) The minimum and maximum duration of the programme is as specified in section 3.1. If a student cannot complete the Programme in corresponding maximum duration, he/she shall leave the college without a degree. If a student is not able to pass a credit course even after 5 (five) consecutive attempts he/she shall also leave the college without a degree. For this purpose, an attempt is defined as registration in a regular semester.

2 'F' rule introduced by VTU in 2018-19 Regulations, w.e.f 2020-21 batch onwards.

For admission to III semester	Can carry a maximum of two courses from I and II semester

9.11. Attendance requirements:

a) Each student must attend every theory class, tutorial and practical sessions for which he/she has registered.

b) To account for approved leave of absence, representing the college in Sports/ Extracurricular / Placement / NCC or NSS activities), the attendance requirement shall be a minimum of 85% of the classes actually held. Further condonation by the Principal for a maximum of 10% attendance will be allowed to account for any exigencies like illness / medical emergency / death of a relative, with a specific recommendation by the HoD.

c) If a student has less than 75% attendance in any course, he/she shall be awarded 'W' grade in that course irrespective of his/her academic performance.

d) In a practical course, if a student misses four consecutive weeks of classes without any prior permission, he/she shall be awarded "W" grade in that course irrespective of his/her academic performance.

10.0   TERMINATION FROM THE PROGRAMME:

10.1.   A student who is not performing well in terms of obtaining requisite grades and/ or is abstaining from the classes regularly, shall be warned of the consequences and the same shall also be communicated to his/her parents.

10.2.   A student may be required to withdraw from the programme and leave the College on any of the following grounds:

a)   Obtaining F Grade and hence not passing a course, in spite of five successive attempts;

b)   A student failing to secure CGPA >= 5.0 on three consecutive years;

c)   Absence from classes of all the registered courses for more than six weeks at a time in a semester without leave of absence being granted by competent authorities.

d)   Failure to meet the standards of discipline as prescribed by the College from time to time.

10.3.   **Conduct and Discipline:**

Students shall conduct themselves within and outside the premises of the College, in a manner befitting the students of an Institution of National Importance. As per the order of Honorable Supreme Court of India, ragging in any form is considered as a criminal offence and is banned. Any form of ragging will be severely dealt with.

The following acts of omission and/or commission shall constitute gross Violation of the code of conduct and are liable to invoke disciplinary measures:

a)   Ragging

b)   Lack of courtesy and decorum; indecent behavior anywhere within or outside the campus.

c)   Willful damage or stealthy removal of any property/belongings of the College/ Hostel or of fellow students/citizens.

d)   Possession, consumption or distribution of alcoholic drinks or any kind of hallucinogenic drugs.

e)   Mutilation or unauthorized possession of Library books.

f)   Noisy and unseemly behavior, disturbing studies of fellow Students.

g)   Hacking in computer systems (such as entering into other Person's area without prior permission, manipulation and/or damage of computer hardware and software or any other Cybercrime etc.).

h)   Plagiarism of any nature.

Commensurate with the gravity of offense, the punishment may be: reprimand, expulsion from the hostel, debarment from an examination, disallowing the use of certain facilities of the College, rustication for a specified period or even outright expulsion from the College, or even handing over the case to appropriate law enforcement authorities or the judiciary, as required by the circumstances.

For an offence committed in (i) a hostel (ii) a department or in a class Room and (iii) elsewhere within the college campus, the Chief Warden, the Head of the Department and the Student Welfare Officer shall meet as a committee and recommend for reprimanding or imposition of fine. Such recommendations shall be reported to the principal for further action.

11.0   STUDENTS' FEEDBACK:

a)   It is recommended by the university that Autonomous Colleges obtain feedback from students on their course work and various academic activities conducted under the credit system. For this purpose, suitable feedback forms shall be devised by the College and the feedback obtained from the students regularly in confidence, by administering the feedback form in print or on-line.

b)   The feedback received from the students shall be discussed at various levels of decision making at the College and the suggested changes/ improvements, if any, could be given due consideration for being implemented at the College level.

12.0   ACADEMIC COMMITTEES:

12.1.   Departmental Council (DC): Constitution:

There shall be one DC for every department that is involved in the teaching for the all the programme. The constitution shall be:

The Chairman may co-opt and/or invite more members

Functions:

a) To monitor the conduct of all programmes of the department.

b) To ensure academic standard and excellence of the courses offered by the department.

c) To oversee the evaluation of the students in a class, for each of the courses.

d) To develop the curriculum for all the programmes offered by the department and recommend the same to the BOS.

e) Moderation (only if and when found necessary) in consultation with the course instructor and approval of the finalized grades, before submission of the same to the office of the Principal.

f) To consider any matter related to all the programmes of the Department.

g) In cases where a course is taught by more than one faculty member, or by different faculty members for different sections of students, DC shall coordinate (only in case of need) among all such faculty members regarding the teaching and evaluation of such courses.

h) To conduct at least two meetings each semester and send the resolutions of the meeting to Principal, and also to maintain a record of the same in the department.

i) To attend to the appeals as follows:

   i)   To receive grievance/complaints in writing from the students regarding anomaly in award of grades.

ii)   To interact with the concerned course instructor and the student separately before taking the decision.

iii)   The recommendations of the DC shall be communicated to the Principal for further appropriate action as required.

iv)   To recommend suitable action against the concerned course instructor.

j)   Any appropriate responsibility or function assigned by the Academic Council or the Chairman of the Academic Council or the BOS or the Chairman of the BOS.

12.2.   Examination Malpractice Enquiry Committee:

Constitution:
1.   Dean (Academic Affairs): Chairman
2.   Controller of Examinations: Member
3.   Head of the Concerned Dept.: Member
4.   Concerned DCI on that Session: Member
5.   Member Sec., Academic Council: Member Convener

Functions:

a)   This committee shall meet and recommend penal action depending on the severity of the malpractice in examination related cases as per the provisions of "Examination Manual" of the college.

b)   The Principal shall take immediate action as per the approved Rules and the same shall be reported to the Academic Council / Governing Body.

12.3.   Faculty Advisor:

The Faculty Advisor, appointed by the HoD, shall be assigned a specific number of students of the concerned department that is offering the Programme and such students shall continue to be attached to the same faculty throughout their duration of study.

Functions (Highlights):

a)   To help the students in planning their courses and activities during study.

b)   To guide, advice and counsel the students on academic programme.

12.4.   Course Instructor:
Functions (Highlights):

a)   He /She shall announce the blown up syllabus, Abridged Lesson plan and details of evaluation pattern which includes distribution amongst various components of CIE within one week of beginning of semester.

b)   He/she shall follow all the Regulations related to teaching of a course and evaluation of students.

c)   He/she shall be responsible for all the records (answer books, attendance etc.,) of the students registered for the course.

d) He/she shall conduct classes as prescribed in the Academic calendar and as per the teaching assignment time table issued by the HoD.

e) He/she will arrange to distribute a teaching plan and the evaluation plan together with the course objectives, to all the students within the first week of each semester.

f) He/she will prepare an evaluation plan showing details of evaluation of the student's performance in the course.

g) He/she will properly document the students' performance and maintain a record.

13.0 GRADUATION CEREMONY:

13.1. Graduation Requirements:

a) A student shall be declared to be eligible for the award of the degree if he/she has:

    i) Fulfilled degree requirements in terms of earned credits.

    ii) No dues to the college, department, hostel, library central computer center and any other center or section of the college.

    iii) No disciplinary action pending against him/her.

b) The award of the degree must be recommended by the Academic / Governing Council.

13.2. Graduation:

a) College may have its own annual Graduation Ceremony for the award of Provisional Degrees to students completing the prescribed requirements of Academic programmes in each case, in consultation with the University and by following the provisions in the Statute. For the award of Prizes and Medals, the conditions stipulated by the Donor may be considered as per the statutes framed by the College for such awards.

b) College may also institute Prizes and Awards to meritorious students, for being given away annually at the Graduation Ceremony. This would greatly encourage the students to strive for excellence in their academic work.

BLUEPRINT OF SYLLABUS STRUCTURE AND QUESTION PAPER PATTERN

Blue Print of Syllabus Structure

1. For 4 credit courses complete syllabus is prescribed in SIX Modules as Module 1, Module 2, etc.

2. For 3 credit courses complete syllabus is prescribed in FIVE Modules as Module 1, Module 2, etc.

3. For 2 credit courses complete syllabus is prescribed in THREE Modules as Module 1, Module 2 and Module 3.

4. In each module, there is one topic under the heading **"Self Learning Exercises" (SLE)**. These are the topics to be learnt by the student on their own under the guidance of the course instructors. Course instructors will inform the students about the depth to which SLE components are to be studied. SLE will carry questions with a weightage of 10% in SEE only. No questions will be asked on SLE components in CIE.

Blue Print of Question Paper

1. **For 4 Credit Courses**

   i. Maximum Marks in SEE is 100 and duration of examination is 3 hours

   ii. Question paper will have **SIX** full questions. One full question each of 15 marks (Question No 1, 2, 3, 4, 5 and 6) will be set from each module of the syllabus. Out of these six questions, two questions will have internal choice from the same module. The module from which choices are to be given is left to the discretion of the course instructor.

   iii. Question No 7 will be set for 10 marks only on those topics prescribed as **"Self Learning Exercises".**

2. **For 3 Credit Courses**

   i. Maximum Marks in SEE is 100 and duration of examination is 3 hours

   ii. Question paper will have **FIVE** full questions. One full question each of 18 marks (Question No 1, 2, 3, 4 and 5) will be set from each module of the syllabus. Out of these five questions, two questions will have internal choice from the same module. The module from which choices are to be given is left to the discretion of the course instructor.

   iii. Question No 6 will be set for 10 marks only on those topics prescribed as **"Self Learning Exercises".**

3. **For 2 Credit Courses**

   i. Maximum Marks in SEE is 50 and duration of examination is 2 hours

   ii. Question paper will have **Three** full questions. One full question each of 15 marks (Question No 1, 2 and 3) will be set from each module of the syllabus. Out of these three questions, one question will have internal choice from the same module. The module from which choice is to be given is left to the discretion of the course instructor.

   iii. Question No 4 will be set for 5 marks only on those topics prescribed as **"Self Learning Exercises".**